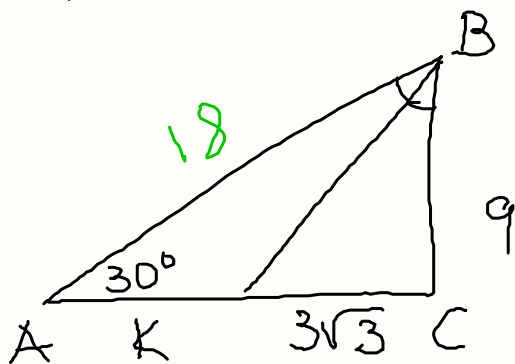


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$$\triangle ABC = 30^\circ - 60^\circ - 90^\circ$$

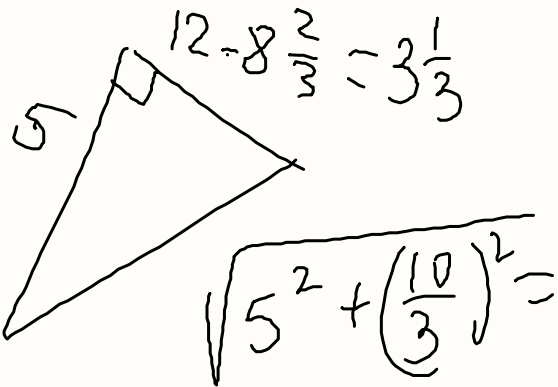
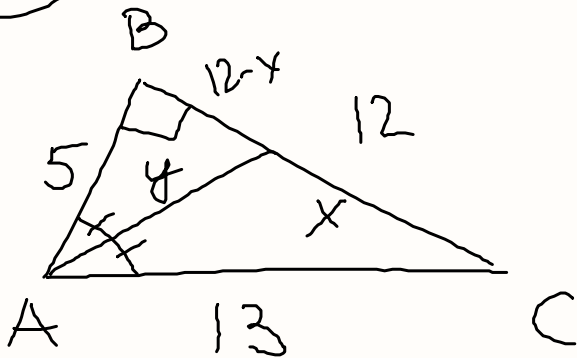
$$\text{If } BC = 9 \Rightarrow AB = \underline{18 \text{ cm}}$$

$$\frac{K}{18} = \frac{3\sqrt{3}}{9}, \quad 9K = 18 \cdot 3\sqrt{3}$$

$$\frac{9K}{9} = \frac{18 \cdot 3\sqrt{3}}{9}$$

$$K = 6\sqrt{3} \text{ cm}$$

(13)



$$BC = \sqrt{AC^2 - AB^2} = 12$$

$$\frac{5}{12-x} = \frac{13}{x}$$

$$5 \cdot x = 13 \cdot 12 - 12x$$

$$5x = 156 - 12x$$

$$+12x$$

$$18x = 156$$

$$x = 8\frac{2}{3}$$

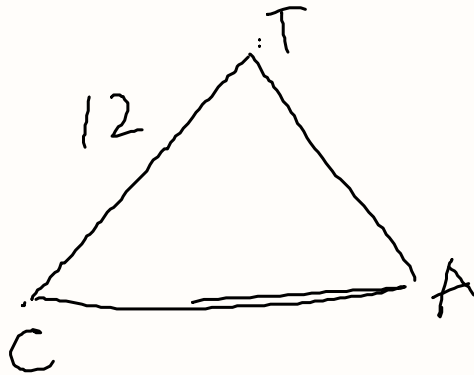
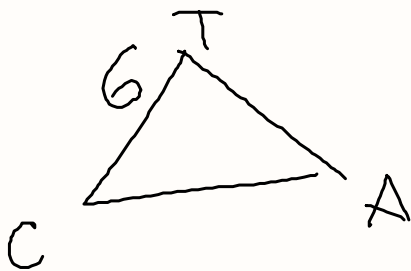
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C-98

$$\frac{m^2}{h^2} \quad \left(\frac{m}{h}\right)^2$$

$$\frac{A_{CAT}}{A_{MES}} = \frac{12^2}{6^2}$$

#1 p.595



$$\frac{72}{x} = \frac{12^2}{6^2}$$

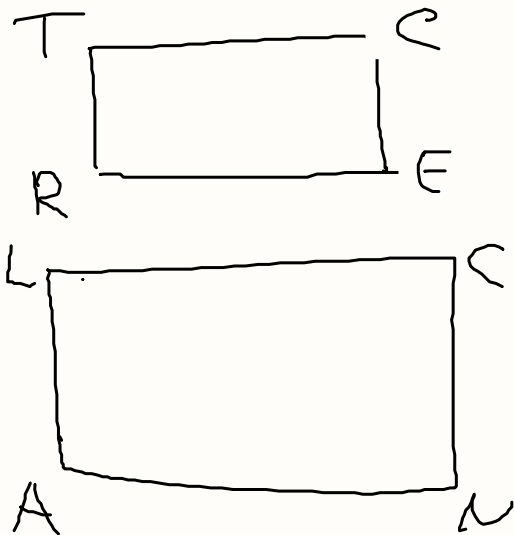
$$\frac{72}{x} = \left(\frac{12}{6}\right)^2$$

$$A_{\Delta CAT} = 72 \text{ cm}^2$$

$$\frac{72}{x} = \frac{144}{36}$$

$$72 \cdot 36 = 144x \quad x = \frac{72 \cdot 36}{144} = 18 \text{ cm}^2$$

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$$\frac{3}{4} = \frac{24}{x}$$

$$3x = 96$$
$$x = 32$$

RECT ~ ANGL

$$\frac{\text{AREA OF RECT}}{\text{AREA OF ANGL}} = \frac{9}{16}$$

TR - ?

$$\sqrt{\frac{9}{16}} = \frac{3}{4}$$

$$\frac{A_1}{A_2} = \frac{9}{16} \quad \left| \quad \frac{l_1}{l_2} = \frac{3}{4} \right.$$

$$\frac{\text{Area of ZOID}}{\text{Area of TRAP}} = \frac{16}{25}$$

$$\sqrt{\frac{16}{25}} = \frac{4}{5}$$

$$\frac{l_1}{l_2} = \frac{4}{5}$$

$$\frac{4}{5} = \frac{4}{a}$$

$$4a = 20$$

$$a = 5$$

$$\frac{4}{5} = \frac{8}{b}$$

$$4b = 40$$

$$b = 10$$

HOMÉ
#4,5
p.595